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## INFORMATION REPORT

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COUNTRY East Germany

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SUBJECT Key of ZAFI to Show Progress in Research and Development for 1953

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1. All research and development orders under the control of the East German Central Office for Research and Technology (ZAFI) are divided into three categories:

F. Research Projects (Forschungsarbeiten)

K. Development Projects (Konstruktive Entwicklungsarbeiten)

V. Engineering Projects (Verfahrenstechnische Entwicklungsarbeiten).

Every project is subdivided into Work Sections (Arbeitsabschnitte) and Performances (Leistungen). Work Sections and Performances pertain to the progress made in carrying out the project. ZAFI uses a numbered key which indicates the work Section and Performance of every project. When the Research Center forwards its specifications to ZAFI it uses this key in order to show which Work Sections and Performances are expected to be completed in a given period of time.

2. Following is the ZAFI progress key broken down by the three project categories:

I. Research Projects (F)

Key Number	Work Section	Performance
1.	Study of literature and patents. Scientific research without experiment.	Report on literature study. Manuscripts with proposals for evaluation.
2.	Preparation of experimental work, design and construction of experimental apparatus.	Construction of experimental apparatus.
3.	Carrying out of experimental research.	Protocols of experiments.

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<u>Key Number</u>	<u>Work Section</u>	<u>Performance</u>
4.	Evaluation of experimental results.	Manuscript with proposal for the evaluation.

II. Development Projects (K)

1.	Study of literature and patents. Technical draft for construction.	Report on literature study. Calculations and sketches.
2.	Design of the functional model.	Documentation for the functional model.
3.	Construction of the functional model.	Functional model.
4.	Trial operation of the functional model. Assessment of the result and of the development work.	Report on trial operation. Assessment and proposal for transfer into production.
5.	Drawing up of the designs for construction and estimate of materials needed for production.	Construction designs and material estimate for production.
6.	Construction of the production model and/or of the zero series.	Production of the production model and/or zero series.
7.	Trial operation of the production model and/or of the zero series.	Report on the trial operation.
8.	Review of the construction designs in order to make them ready for production.	Construction designs for production and proof that the object in question has been released for production.

III. Engineering Projects (V)

1.	Study of literature and patents and technical draft for the procedure.	Report on literature study. Procedure principles with sketches and calculations.
2.	Working out of the procedure on a laboratory scale.	Description of the laboratory procedure.
3.	Carrying out of experiments on "small" technical scale.	Experimental protocol.
4.	Evaluation of the experiment on "small" technical scale and assessment of the result of the development work.	Report on the result of the "small" technical experiment. Assessment and proposition for transfer into production.
5.	Technological project for the experiment on a "large" technical scale.	Description of the technological project for the "large" technological experiment.
6.	Construction of the "large" technical experimental installation.	"Large" technical experimental installation.
7.	Carrying out of the "large" technical experiment.	Protocol on the "large" technical experiment.
8.	Evaluation of the "large" technical experiment and drawing up of a technological project for production.	Report on the result of the "large" technical experiment. Proof that the procedure is fit for production. Description of the technological project as the basis for a preliminary investment project.

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